

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended) A dual analyzer comprising

(A) a hydrogen-flame photometric analyzer for a thin-layer chromatograph, comprising

- (1) a hydrogen burner capable of forming a hydrogen flame;
- (2) a moving means capable of moving a thin-layer chromatography element and/or the hydrogen burner at a predetermined speed so that analytes separated on a chromatography carrier of the thin-layer chromatography element may be sequentially burned by the hydrogen flame formed by the hydrogen burner;
- (3) a spectroscopic means capable of resolving a light emitted from the hydrogen flame;
- and
- (4) a light-analyzing means capable of analyzing an intensity of a light resolved by the spectroscopic means; and
- (5) a light-guide between the hydrogen flame formed by the hydrogen burner and the spectroscopic means, and

(B) a hydrogen-flame ionization detector.

2. (canceled).

3. (currently amended) The dual analyzer ~~hydrogen flame photometric analyzer for a thin layer chromatograph~~ according to claim 1 ~~or 2~~ further comprising a mechanical shutter between the spectroscopic means and the light-analyzing means.

4. (currently amended) The dual analyzer ~~hydrogen flame photometric analyzer for a thin layer chromatograph~~ according to claim 1 ~~any one of claims 1 to 3~~, wherein plural spectroscopic means having different transmission wavelengths are furnished, and the light-analyzing means capable of analyzing an intensity of a resolved light is provided for each of the spectroscopic means.

5. (currently amended) The dual analyzer ~~hydrogen flame photometric analyzer for a thin layer chromatograph~~ according to claim 1 ~~any one of claims 1 to 3~~, further comprising a prism, and plural light-analyzing means capable of analyzing intensities of light resolved by the prism.

6. (canceled).

7. (currently amended) A method for analyzing a hydrogen-flame photometry and a hydrogen-flame ionization for a thin-layer chromatograph, comprising steps of:  
sequentially burning analytes separated on a chromatography carrier of a thin-layer chromatography element by a hydrogen flame formed by a hydrogen burner, by moving the thin-layer chromatography element and/or the hydrogen burner at a predetermined speed; and

analyzing an intensity of a light by a spectroscopic means, said light being emitted from the hydrogen flame and passed through a light-guide between the hydrogen flame and the spectroscopic means, at a particular wavelength.

8. (currently amended) The method for analyzing a hydrogen-flame photometry and a hydrogen-flame ionization for a thin-layer chromatograph according to claim 7, wherein analytes containing hetero-elements-containing compounds are selectively detected.

9. (new) The dual analyzer according to claim 3, wherein plural spectroscopic means having different transmission wavelengths are furnished, and the light-analyzing means capable of analyzing an intensity of a resolved light is provided for each of the spectroscopic means.

10. (new) The dual analyzer according to claim 3, further comprising a prism, and plural light-analyzing means capable of analyzing intensities of light resolved by the prism.